

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA GEN. REG. NO. 27

5010-107

UNITED STATES GOVERNMENT

Memorandum

EP 66-216

DATE: 29 September 1966

TO : The Files: Contract 4168, Task Order 2

25X1A9a

FROM : Mr. [REDACTED]

SUBJECT: Inspection Report No. 5 - RS-101 [REDACTED]

25X1A5a1

1. Project Description:

The RS-101 is a 2 - 24 Mc/s solid-state radio intended for paramilitary operations. The semiautomatically tuned transmitter produces 20 watts in the CW mode and 5 watts in the AM mode. The receiver is capable of receiving AM, CW, or SSB signals. There are provisions for a battery and either a synthesizer (OS/B-100) or crystal matrix. The RS-101 weighs 10 pounds and is approximately 7 1/4" x 12" x 4 1/2".

2. Contractual Information: 25X1A1a

- a. Initial Cost: [REDACTED]
- b. Request for Procurement Action: 28 September 1965
- c. Initiation Date: 12 October 1965
- d. Completion Date: 12 August 1966 Extension: November 1966
- e. Deliverable Items: Four service test models, manufacturing drawings, and production specifications

3. Date of Meeting: 20 September 19664. Place of Meeting: [REDACTED]

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5. Persons Attending:AgencyNon-Agency

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Mr. [REDACTED]
Mr. [REDACTED]Mr. [REDACTED]
Mr. [REDACTED]

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6. Contractor's Performance:

- a. On schedule and expected to remain so: Yes
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:GROUP 1
Excluded from automatic
downgrading and
declassification

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7. Project Status:

The four service test model RS-101's are being fabricated. All PC boards for the receivers were complete and assembly of one receiver also was complete. Mechanical piece parts are in various stages of fabrication. The cast cases and front panels are being machined.

25X1A5a1 The front panel cover was changed from a fiberglass material to one constructed of aluminum. [REDACTED] has also selected and will use the

25X1A5a1 [REDACTED] transistors as the final amplifier transistors in the RT-101.

An engineering model OS/B-100 synthesizer was tried with the RT-101. The results were approximately equivalent to performance of the RT-101 when used with the OS-100. Also, a series of tests were run with the RT-66P2 transmitter (equivalent to the RT-101 except in form/package layout) reducing the input voltage down in various increments from 12 V to about 9.5 V. The output power of the transmitter decreased to about 15 watts at 9.5 V.

25X1A5a1 [REDACTED] does not foresee any schedule slippage regarding delivery of the four service test units during mid-November 1966.

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Distribution:

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